

Claims

1. Lactic acid bacterium strain belonging to the genus *Lactobacillus* having the capability of preventing colonization of the intestine with pathogenic bacteria causing diarrhoea.
2. The *Lactobacillus* strain according to claim 1, which is capable of adhering to the intestinal mucosa of a host organism.
3. The *Lactobacillus* strain according to any of the preceding claims, which is capable to grow in the presence of up to 0.4 % bile salts.
4. The *Lactobacillus* strain according to any of the preceding claims, which is selected from the group consisting of *Lactobacillus rhamnosus* or *Lactobacillus paracasei*.
5. The *Lactobacillus* strain according to claim 4, which is *Lactobacillus paracasei*.
6. The *Lactobacillus paracasei* according to claim 5, which is *Lactobacillus paracasei* CNCM I-2116 (NCC 2461).
7. Use of a *Lactobacillus* strain according to any of the preceding claims for the preparation of an ingestable support material.
8. The use according to claim 7, wherein the *Lactobacillus* strain is contained in the support material in an amount from about 10^5 cfu / g to about 10^{12} cfu / g support material.

9. Use of a supernatant of a culture of a Lactobacillus strain according to any of the claims 1 to 6 for the preparation of an ingestible support.

10. The use according to any of the claims 7 or 9, wherein the support material is a food composition selected from milk, yogurt, curd, cheese, fermented milks, milk based fermented products, ice-creams, fermented cereal based products, milk based powders, infant formulae.

11. The use according to any of the claims 7 to 10, wherein the support material is used for the treatment and/or prophylaxis of disorders associated with diarrhoea.

12. Food or pharmaceutical composition containing at least one Lactobacillus strain according to any of the claims 1 to 6 or a supernatant of a culture thereof.

13. The composition according to claim 12, which is selected from milk, yogurt, curd, cheese, fermented milks, milk based fermented products, ice-creams, fermented cereal based products, milk based powders, infant formulae, tablets, liquid bacterial suspensions, dried oral supplement, wet oral supplement, dry tube feeding or wet tubefeeding.

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